

SURGERY

TECHNICAL MANUAL

Version 3.0 July 1993

(Revised September 2003)

Revision History

The table below lists changes made since the initial release of this manual. Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. Either update the existing manual with the Change Pages document, or replace it with the updated manual.

Note: The Change Pages document may include unedited pages needed for two-sided copying. Only edited pages display the patch number and revision date in the page footer.

Date	Revised Pages	Patch Number	Description
09/03	9 - 10, 142 - 143, 163 - 164	SR*3*120	 - Added new option Ensuring Correct Surgery Compliance Report to the Menu Outline and Options Description sections. - Added new routines SROPECS and SROPECS1 to the routines listing.
08/03	163 – 164,167 – 168, 186	SR*3*116	 Added new routines SROCVER and SROICD to the routines listing. Added new cross references AD and ADA to the Cross References section. Added callable routine ICDCODE to the Calls Made by Surgery section.
04/03	Title Page, i, v – vi, 67-69	SR*3*115	 Updated Title page, Revision History, and Table of Contents. Added new fields TIME OUT VERIFIED and IMAGING CONFIRMED to the SURGERY file (#30) listing; this addition caused the pages to wrap.
02/03	Title Page, i, 15, 69 – 70, 71, 124, 185	SR*3*107	- Updated Title page and Revision History Added new field AUTOMATED CASE CART ORDERING to the SURGERY SITE PARAMETERS file (#133) listing Added new fields SPD COMMENTS and DYNAMED NOTIFIED to the SURGERY file (#130) listing; this addition caused the pages to wrap Added callable routine CSLSUR1 to the Calls Made by Surgery section.
12/02	185 – 186	SR*3*111	- Added callable routine DGUTL4 to the Calls Made by Surgery section.

Routines

Date	Revised Pages	Patch Number	Description
11/02	Title Page, i, (ii) 13, (14) (55), 56 (119), 120 (185), 186	SR*3*109	Updated Revision Date and Revision History. - Changed the field name DEFAULT BLOOD REQUEST to DEFAULT BLOOD COMPONENT. - Changed the definition of the field REQ BLOOD KIND from a pointer to the BLOOD PRODUCT file (#66) to a free text field. - Deleted DEFAULT BLOOD REQUEST field, and replaced with DEFAULT BLOOD COMPONENT field. - Added callable routine VBECA5A to the Calls Made by Surgery section.
07/93			Original Release of Technical Manual.

Laboratory Interim Report

Chief of Surgery Menu

locked with SROCHIEF

View Patient Perioperative Occurrences

Management Reports

Morbidity & Mortality Reports

M&M Verification Report

Comparison of Preop and Postop Diagnosis

Delay and Cancellation Reports

Report of Delayed Operations

Report of Delay Reasons

Report of Delay Time

Report of Cancellations

Report of Cancellation Rates

List of Unverified Surgery Cases

Report of Returns to Surgery

Report of Daily Operating Room Activity

List of Undictated Operations

Report of Cases Without Specimens

Report of Unscheduled Admissions to ICU

Operating Room Utilization Report

Wound Classification Report

Quarterly Report Menu

locked with SROCHIEF

Quarterly Report - Surgical Service

Deaths Within 30 Days of Surgery

Admissions Within 14 Days of Outpatient Surgery

List of Invasive Diagnostic Procedures

List of Operations Included on Quarterly Report

Report of Missing Quarterly Report Data

Print Blood Product Verification Audit Log

Ensuring Correct Surgery Compliance Report

Unlock a Case for Editing

Update Status of Returns Within 30 Days

Update Cancelled Case

locked with SROCHIEF

Update Operations as Unrelated/Related to Death

Update/Verify Procedure/Diagnosis Codes

Surgeons' Dictation Menu

Enter/Edit Date of Dictation

locked with SROTRAN

List of Untranscribed Surgeon's Dictation

Undictated Operations

locked with SROSURG

Surgery Package Management Menu

locked with SRCOORD

Surgery Site Parameters (Enter/Edit)

Operating Room Information (Enter/Edit)

Surgery Utilization Menu

locked with SRCOORD

Operating Room Utilization (Enter/Edit)

Normal Daily Hours (Enter/Edit)

Operating Room Utilization Report

Report of Normal Operating Room Hours

Purge Utilization Information

Person Field Restrictions Menu

Enter Restrictions for 'Person' Fields

Remove Restrictions for 'Person' Fields

Update O.R. Schedule Devices

Update Staff Surgeon Information

Flag Drugs for Use as Anesthesia Agents

Update Site Configurable Files

Backfill Order File with Surgical Cases

Surgery Interface Management Menu

Flag Interface Fields

File Download

Table Download

Update Interface Parameter Field

locked with SRCOORD

Surgery Risk Assessment Menu

locked with SR RISK ASSESSMENT

Non-Cardiac Risk Assessment Information (Enter/Edit)

Preoperative Information (Enter/Edit)

Laboratory Test Results (Enter/Edit)

Operation Information (Enter/Edit)

Patient Demographics (Enter/Edit)

Intraoperative Occurrences (Enter/Edit)

Postoperative Occurrences (Enter/Edit)

Update Status of Returns Within 30 Days

Update Assessment Status to 'COMPLETE'

Cardiac Risk Assessment Information (Enter/Edit)

Clinical Information (Enter/Edit)

Enter Cardiac Catheterization & Angiographic Data

Operative Risk Summary Data (Enter/Edit)

Cardiac Procedures Requiring CPB (Enter/Edit)

Intraoperative Occurrences (Enter/Edit)

Postoperative Occurrences (Enter/Edit)

Resource Data

Convert Risk Assessment Data

SROA CONVERT

This option is used to convert the data entered through the stand alone Surgery Risk Assessment Module into the SURGERY file (130). Each entry in the SURGERY RISK ASSESSMENT file (139) will be merged into the SURGERY file or removed from your system. Upon completion of this option, and no entries remaining in the SURGERY RISK ASSESSMENT file, the SURGERY RISK ASSESSMENT file (139) will be deleted from your system. This option will then self destruct.

Create Service Blockout

SRSBOUT

This option is used to block out times on the OR schedule by surgical specialty.

Cumulative Report of CPT Codes

SROACCT

This report displays the total number of each CPT code entered for the date range selected. It also breaks down the totals into two categories, principal procedures and other operative procedures.

Deaths Within 30 Days of Surgery

SROQD

This option lists patients who had surgery within the selected date range, who died within 30 days of surgery and whose deaths are included on the Quarterly/Summary Report. Three separate reports are available through this option corresponding to the three sections of the Quarterly Report that include death totals.

1. Total Cases Summary

This report may be printed in one of three ways.

A. All Cases

The report will list all patients who had surgery within the selected date range and who died within 30 days of surgery, along with all of the patients' operations that were performed during the selected date range. These patients are included in the postoperative deaths totals on the Quarterly Report.

b. Outpatient Cases Only

The report will list only the surgical cases that are associated with deaths that are counted as outpatient (ambulatory) deaths on the Quarterly Report.

c. Inpatient Cases Only

The report will list only the surgical cases that are associated with deaths that are counted as inpatient deaths. Although the count of deaths associated with inpatient cases is not a part of the Quarterly Report, this report is provided to help with data validation.

2. Specialty Procedures

This report will list the surgical cases that are associated with deaths that are counted for the national surgical specialty linked to the local surgical specialty. Cases are listed by national surgical specialty.

3. Index Procedures

This report will list the surgical cases that are associated with deaths that are counted in the Index Procedures section of the Quarterly Report.

Delay and Cancellation Reports

SRO DEL MENU

This menu contains various reports used to track delays and cancellations.

Delete Service Blockout

SRSBDEL

This option is used to delete service blockouts already existing on a schedule.

Delete a Patient from the Waiting List

SROW-DELETE

This option is used to delete a patient currently on the surgery waiting list for a selected service.

Delete or Update Operation Requests

SRSUPRQ

This option will be used to delete, change the date, or update the information entered on a requested operation.

Display Availability

SRODISP

This option provides a graph of the availability of operating rooms. Times that are unavailable will be marked by 'X's.

Edit Non-O.R. Procedure

SRONOP-EDIT

This option allows the editing of information on the pre-selected non-OR procedure.

Edit a Patient on the Waiting List

SROW-EDIT

This option is used to edit a patient already on the waiting list for a selected surgical specialty.

Ensuring Correct Surgery Compliance Report SRO ECS COMPLIANCE
This option produces the Ensuring Correct Surgery Compliance Report. This report
is a tool for reviewing compliance with the documentation process for ensuring
correct surgery.

Enter Cardiac Catheterization & Angiographic Data SROA CATHETERIZATION This option is used to enter or edit cardiac catheterization and angiographic information for cardiac surgery risk assessments.

Enter Irrigations and Restraints

SROMEN-REST

This option is used to stuff in multiple restraints and positioning aids.

Enter PAC(U) Information

SROMEN-PACU

This option is used to enter or edit recovery room scores and times.

Enter Referring Physician Information SROMEN-REFER
This option is used to enter the name, phone number and address of the referring physician or institution.

Enter Restrictions for 'Person' Fields

SROKEY ENTER

This option is used to enter restrictions on person fields. It will allow you to add keys to existing entries in the PERSON FIELD RESTRICTION file. If the field to be restricted has not already been entered in the PERSON FIELD RESTRICTION file, you may enter it along with the restricting keys through this option.

Enter a Patient on the Waiting List

SROW-ENTER

This option is used to enter a patient on the waiting list for a selected surgical specialty.

Enter/Edit Date of Dictation

SROCHDD

This option is used to enter or edit the date that this case has been dictated.

Exclusion Criteria (Enter/Edit)

SR NO ASSESSMENT REASON

This option is used to flag major cases that will not have a surgery risk assessment due to certain exclusion criteria.

File Download

SRHL DOWNLOAD INTERFACE FILES

This option is used to download Surgery interface files to the Automated Anesthesia Information System (AAIS). The process is currently being done by a screen capture to a file. In the future, this will be changed to a background task that can be queued to send HL7 master file updates.

Flag Drugs for Use as Anesthesia Agents

SROCODE

This option is used to flag drugs for use as anesthesia agents. Only those drugs that are flagged will be available when selecting anesthesia agents.

Flag Interface Fields

SRHL INTERFACE FLDS

This option allows the package coordinator to set the INTERFACE field in the SURGERY INTERFACE file (#133.2). The categories listed on the first screen correspond to entries in File 133.2. These categories are listed in the Surgery Health Level 7 Interface Specifications document as being the OBR (Observation Request) text identifiers. Each identifier corresponds to several fields in the VistA Surgery package. This allows the user to control the flow of data between the VistA Surgery package and the ancillary system on a field by field basis.

The option lists each identifier and its current setting. To receive the data coming from the ancillary system for a category, set the flag to R for receive. To ignore the data, set the flag to N for not receive. To see a second underlying layer of OBX text identifiers (fields in File 130) and their settings, set the OBR text identifier to RR

for receive. The option will allow the user to toggle the settings for a range or for individual items.

Intraoperative Occurrences (Enter/Edit)

SRO INTRAOP COMP

This option is used to enter or edit intraoperative occurrences. Every occurrence entered must have a corresponding perioperative occurrence category.

Laboratory Interim Report

SRO-LRRP

This option will print or display interim reports for a selected patient, within a given time period. The printout will go in inverse date order. This report will output all tests for the time period specified. If no results are available, the option will ask for another patient. This option will only print verified results and at present does not output the microbiology reports.

Laboratory Test Results (Enter/Edit)

SROA LAB

This option is used to enter or edit laboratory information for an individual risk assessment.

List Completed Cases Missing CPT Codes

SRSCPT

This option will generate a report of completed cases that are missing a CPT code for the principal or secondary operation(s). It is important to note that only procedures that have CPT codes will be counted on the Annual Report of Surgical Procedures.

List Operation Notes in the 'Print' Queue

SRSTRANS PQ

This option lists the most recent transmitted operation notes which were sucessfully merged with a case in the Surgery file.

List Operation Requests

SRSRBS

This option is designed to list requested cases, including those patients on the waiting list. It will print all future requests, sorted by ward location or surgical specialty.

List Scheduled Operations

SRSCD

This option is designed to provide a short form listing of scheduled cases for a given date. It will sort by surgical specialty, operating room, or ward location and is designed to be displayed on your CRT.

List of Anesthetic Procedures

SROANP

This option generates the List of Anesthetic Procedures for a specified date range.

List of Invasive Diagnostic Procedures

SROQIDP

Routines

The following is the list of routines used in the Surgery package. This list excludes all initialization routines, protocol installation routines and routines exported with patches that performed a one-time function. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel option XU FIRST LINE PRINT (*First Line Routine Print*) to print a list of just the first line of each routine in the SR- namespace.

SRBLOOD	SRCUSS	SRCUSS0	SRCUSS1	SRCUSS2	SRCUSS3	SRCUSS4	SRCUSS5
SRHLDW	SRHLDW1	SRHLMFN	SRHLOORU	SRHLORU	SRHLQRY	SRHLSCRN	SRHLU
SRHLUI	SRHLUO	SRHLU01	SRHLUO2	SRHLUO3	SRHLUO4	SRHLUO4C	SRHLVOOR
SRHLVORU	SRHLVQRY	SRHLVU	SRHLVUI	SRHLVUI2	SRHLVUO	SRHLVU01	SRHLVUO2
SRHLVUO4	SRHLVZIU	SRHLVZQR	SRHLVZSQ	SRHLXTMP	SRHLZIU	SRHLZQR	SRO1L
SRO1L1	SROA30	SROABCH	SROAC	SROAC1	SROAC2	SROACAR	SROACAT
SROACC	SROACC0	SROACC1	SROACC2	SROACC3	SROACC4	SROACC5	SROACC6
SROACCM	SROACCR	SROACCT	SROACL1	SROACLN	SROACMP	SROACMP1	SROACOM
SROACOP	SROACPM	SROACR1	SROACRC	SROACS	SROACTH	SROADEL	SROADOC
SROADOC1	SROAERR	SROAEX	SROAL1	SROAL11	SROAL2	SROAL21	SROALAB
SROALC	SROALCP	SROALCS	SROALCSP	SROALDP	SROALEN	SROALESS	SROALET
SROALL	SROALLP	SROALLS	SROALLSP	SROALM	SROALN1	SROALN2	SROALN3
SROALNO	SROALOG	SROALSS	SROALSSP	SROALST	SROALSTP	SROALT	SROALTP
SROALTS	SROALTSP	SROAMAN	SROAMEAS	SROAMIS	SROAMIS1	SROADI	SROANIN
SROANP	SROANP1	SROANT	SROANTP	SROANTS	SROANTSP	SROAO	SROADP
SROAOP1	SROAOP2	SROAOPS	SROAOSET	SROAOTH	SROAPAS	SROAPC	SROAPCA
SROAPCA0	SROAPCA1	SROAPCA2	SROAPCA3	SROAPIMS	SROAPM	SROAPR1A	SROAPR2
SROAPRE	SROAPRE1	SROAPRE2	SROAPRT1	SROAPRT2	SROAPRT3	SROAPRT4	SROAPRT5
SROAPRT6	SROAPRT7	SROAPS1	SROAPS2	SROAR	SROAR1	SROAR2	SROARET
SROARPT	SROARPT0	SROARPT1	SROARPT2	SROASITE	SROASS	SROASS1	SROASSE
SROASSP	SROASWAP	SROASWP	SROASWP0	SROASWP1	SROASWP2	SROASWP3	SROASWPD
SROAT0P	SROAT0T	SROAT1P	SROAT1T	SROAT2P	SROAT2T	SROATCM	SROATCM1
SROATCM2	SROATM1	SROATM2	SROATM3	SROATM4	SROATMIT	SROATMNO	SROATT
SROATT0	SROATT1	SROATT2	SROAUTL	SROAUTL0	SROAUTL1	SROAUTL2	SROAUTL3
SROAUTL4	SROAUTLC	SROAWL	SROAWL1	SROBLOD	SROBTCH	SROCAN	SROCAN0
SROCANUP	SROCASE	SROCCAT	SROCHDD	SROCMP	SROCMP1	SROCMP2	SROCMPD
SROCMPED	SROCMPL	SROCMPS	SROCNR	SROCNR1	SROCNR2	SROCODE	SROCOM
SROCOMP	SROCON	SROCON1	SROCOND	SROCPT	SROCRAT	SROCVER	SRODATE
SRODCT1	SRODELA	SRODEV	SRODICT	SRODIS	SRODIS0	SRODLA1	SRODLA2
SRODLAY	SRODLT	SRODLT0	SRODLT1	SRODLT2	SRODIT	SRODIAL	SROERR
SROERRO	SROERR1	SROERR2	SROERRPO	SROFILE	SROFLD	SROGTSR	SROICD
SROICU	SROERKI SROICU1	SROERKZ SROICU2		SROIRR	SROKEY	SROGISK SROKEY1	SROKRET
			SROINQ				
SROLOCK	SROMED	SROMENU	SROMOD	SROMOR	SROMORT	SRONAN	SRONAN1
SRONASS	SRONBCH	SRONEW	SRONIN	SRONIN1	SRONIN2	SRONIN3	SRONIN4
SRONIN5	SRONIN6	SRONITE	SRONON	SRONON0	SRONON1	SRONOP	SRONOP1
SRONOR	SRONOR1	SRONOR2	SRONOR3	SRONOR4	SRONOR5	SRONOR6	SRONOR7
SRONOR8	SRONRN1	SRONRN2	SRONRN3	SRONRN4	SRONRN5	SRONRNF	SRONRPT
SRONRPT0	SRONRPT1	SRONRPT2	SRONRPT3	SRONUR	SRONUR1	SRONUR2	SRONXR
SROOPRM	SROOPRM1	SROP	SROP1	SROPAC0	SROPAC1	SROPACT	SROPAT
SROPCE	SROPCE0	SROPCE0A	SROPCE0B	SROPCE1	SROPCEU	SROPCEU0	SROPCEX
SROPDEL	SROPECS	SROPECS1	SROPER	SROPLIS	SROPLIST	SROPLST1	SROPLSTS
SROPOST	SROPOST0	SROPOST1	SROPOST2	SROPPC	SROPR01	SROPR02	SROPR03
SROPRE	SROPRE0	SROPREQ	SROPRI	SROPRI1	SROPRI2	SROPRIN	SROPRIO
SROPRIT	SROPROC	SROPRPT	SROPRPT1	SROPRPT2	SROPRPT3	SROPRPT4	SROPS
SROQ	SROQ0	SROQOA	SROQ1	SROQ1A	SROQ2	SROQADM	SROQD
SROQD0	SROQD1	SROQIDP	SROQIDP0	SROQL	SROOM	SROQM0	SROQM1
SROQN	SROQT	SROR	SRORAT1	SRORAT2	SRORATA	SRORATP	SRORATS
SROQN	SROQ1 SROREA1	SROREA2	SROREAS	SROREQ	SROREO1	SROREQ2	SROREQ3
SROREQ4	SROREST	SRORESV	SRORET	SROREQ	SROREQI SRORHRS0	SROREQ2 SRORIN	SROREQS
		SRORESV SRORUT1					
SRORUT	SRORUTO		SRORUT2	SROSCH	SROSCH1	SROSCH2	SROSNR
SROSNR1	SROSNR2	SROSPC1	SROSPEC	SROSPLG	SROSPLG1	SROSPLG2	SROSPSS
SROSRPT	SROSRPT0	SROSRPT1	SROSRPT2	SROSTAFF	SROSTOP	SROSUR	SROSUR1

Routines

SROSUR2	SROTHER	SROTRIG	SROTRPT	SROTRPT0	SROUNV	SROUNV1	SROUNV2
SROUTED	SROUTIN	SROUTL	SROUTL0	SROUTR1	SROUTRN	SROUTUP	SROVAR
SROVER	SROVER1	SROVER2	SROVER3	SROWC	SROWC1	SROWC2	SROWC3
SROWL	SROWL0	SROWRQ	SROWRQ1	SROXPR	SROXR1	SROXR2	SROXR4
SROXREF	SROXRET	SRSAVG	SRSAVL	SRSAVL1	SRSBD1	SRSBDEL	SRSBLOK
SRSBOUT	SRSBTCH	SRSCAN	SRSCAN0	SRSCAN1	SRSCAN2	SRSCD	SRSCDS
SRSCDS1	SRSCDW	SRSCDW1	SRSCG	SRSCHAP	SRSCHC	SRSCHC1	SRSCHC2
SRSCHCA	SRSCHCC	SRSCHD	SRSCHD1	SRSCHD2	SRSCHDA	SRSCHDC	SRSCHK
SRSCHOR	SRSCHUN	SRSCHUN1	SRSCHUP	SRSCONR	SRSCPT	SRSCPT1	SRSCPT2
SRSCRAP	SRSDIS1	SRSDISP	SRSDT	SRSEND	SRSGRPH	SRSIND	SRSKILL
SRSKILL1	SRSKILL2	SRSLOOK	SRSLOOK1	SRSMREQ	SRSPUT0	SRSPUT1	SRSPUT2
SRSRBS	SRSRBS1	SRSRBW	SRSRBW1	SRSREQ	SRSREQUT	SRSRQST	SRSRQST1
SRSTIME	SRSTR	SRSTRAN	SRSUP1	SRSUPC	SRSUPRG	SRSUPRQ	SRSUTIN
SRSUTL	SRSUTL2	SRSWL	SRSWL1	SRSWL10	SRSWL11	SRSWL12	SRSWL13
SRSWL14	SRSWL15	SRSWL2	SRSWL3	SRSWL4	SRSWL5	SRSWL6	SRSWL7
SRSWL8	SRSWL9	SRSWLST	SRSWREQ				

540 routines